Getting a Handle on Federal

The Defense Technical Information Center's

Handle Service

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Getting a Handle on Federal

DTIC's Handle Service:

Provides for the persistent identification and management of DOD and DOD-related resources available on a network

- Provides a way to preserve DOD electronic resources of long-term value
- Provides a way to manage these resources in a virtual environment
- Provide immediate links to DoD full-text resources from the handle

Getting a Handle on Federal

DTIC's Mission

- Central facility in the acquisition, storage, retrieval, dissemination, and use of S&T information for DOD
- Premier DOD Internet Webmaster
  - DefenseLink
  - DefendAmerica
  - Current Focus
- DTIC products increasingly digital

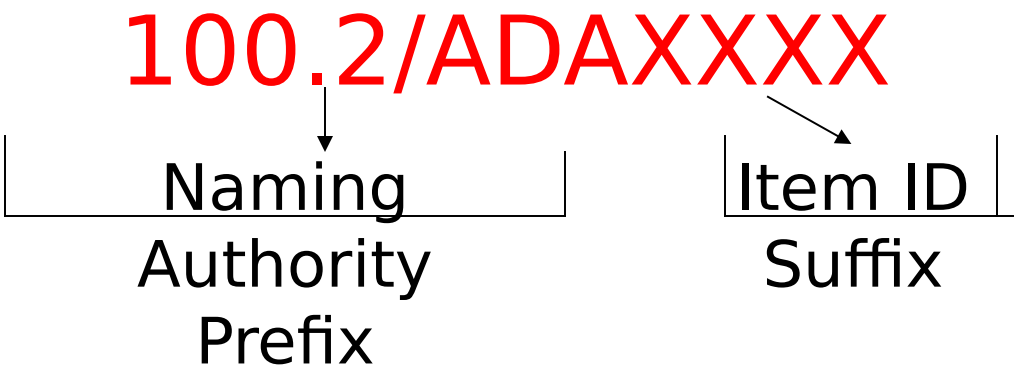
Getting a Handle on Federal

DTIC's Handle History

- Began as partnership between DARPA, CNRI and DTIC
- Defense Virtual Library (DVL) created
- Handles began as a DVL product

Getting a Handle on Federal

What is a DTIC Handle?

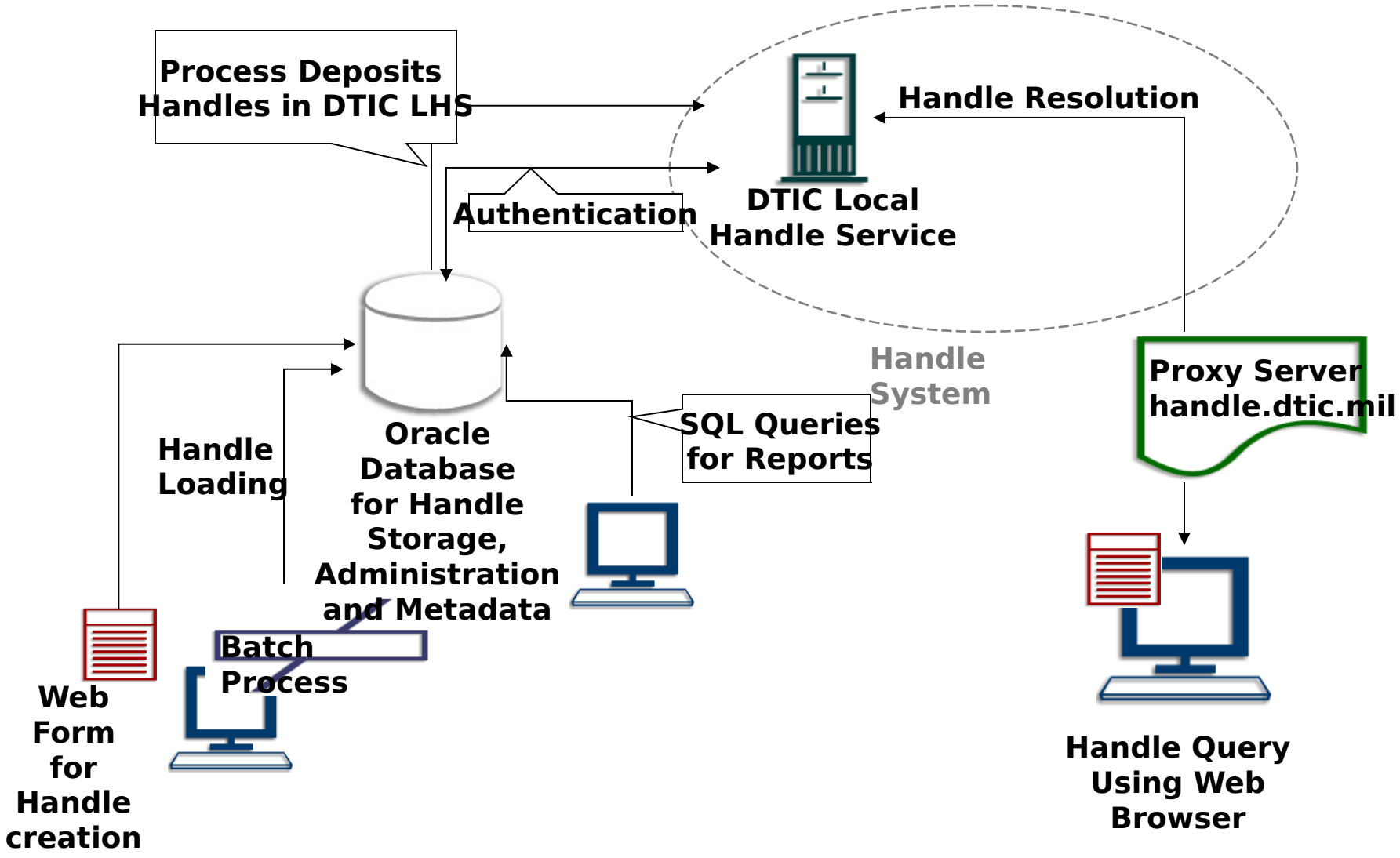


Getting a Handle on Federal

DTIC's Handle Service

- Uses Handle System® technology
- Uses Oracle database
  - Handle storage, administration
  - Metadata storage, administration
- WebObjects software
- Uses Proxy URL

DTIC Handle Storage and Administration Using Oracle Database



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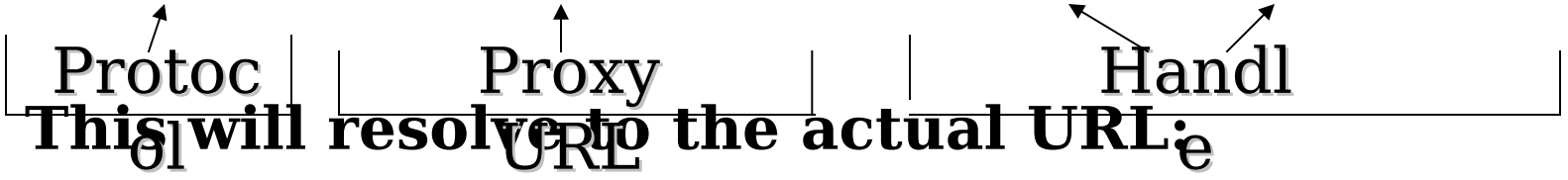
To Access a Handle from a Browser:

HttpProtocol+ProxyURL+Handle =

http://handle.dtic.mil/100.2/ADA375124



This will resolve to the actual URL:

Http://stinet.dtic.mil/cgi-bin/fulcrum_main.pl?database=ft_u2&searchid=0&keyfieldvalue=ADA375124&filename=%2Ffulcrum%2Fdata%2FTR_fulltext%2Fdoc%2FADA375124.pdf

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http://www.dtic.mil/dtic/handles/

Welcome to the DTIC Handle Service - Netscape
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Netsite: http://www.dtic.mil/dtic/handles/
What's Related
DTIC
DEFENSE TECHNICAL INFORMATION CENTER
The Defense Technical Information Center
Information for the Defense Community
Home | DTIC From A to Z | Contact Us
Home
Registration
Submitting Information
Products & Services
Find A Document
Ordering
Search DTIC's Site
GO
Handle Service Home
Handle Search
Handle FAQs
Become a DTIC Partner
Related Links
Handle System Technology
Please Comment
Welcome to the DTIC Handle Service.
Is the information you need here today and gone tomorrow? Are you tired of getting "Error 404" messages? DTIC has a solution.
DTIC's Handle Service assigns permanent names called "handles" to electronic resources, and stores them in its Handle Service. The current location (or URL) where the resource can be found is stored with each handle. When the location changes, the handle record is updated to reflect this change, and there is no broken link. DTIC's Handle Service also facilitates the preservation and long term access to electronic resources, ensuring their availability over time and changing data formats. DTIC's Handle Service will play a vital role in preservation of DOD's Internet-accessible resources.
Handles are assigned to online DOD resources -- currently to DTIC's full text, publicly-releasable technical reports available on the Internet via the Scientific and Technical Information Network (STINET) and Web-Enabled DROLS (WED) systems. These are stored in a central directory users can search to instantly retrieve needed information. To see handles in action, visit Search to query the collection. Read through the Handle FAQs to learn all the facts, and read about how DTIC will partner with interested DOD organizations to create handles for their resources and take advantage of the opportunity to preserve their published works. Visit Related Links for articles about DTIC's Handle Service and link to other organizations that use handles. See The Handle System web site for an explanation on the technology underlying DTIC's Handle Service.
Document: Done
Start
Inbox - Microsoft Outlook
Welcome to the D...
Microsoft PowerPoint - ...
RE: AV Requirements f...
8:17 AM

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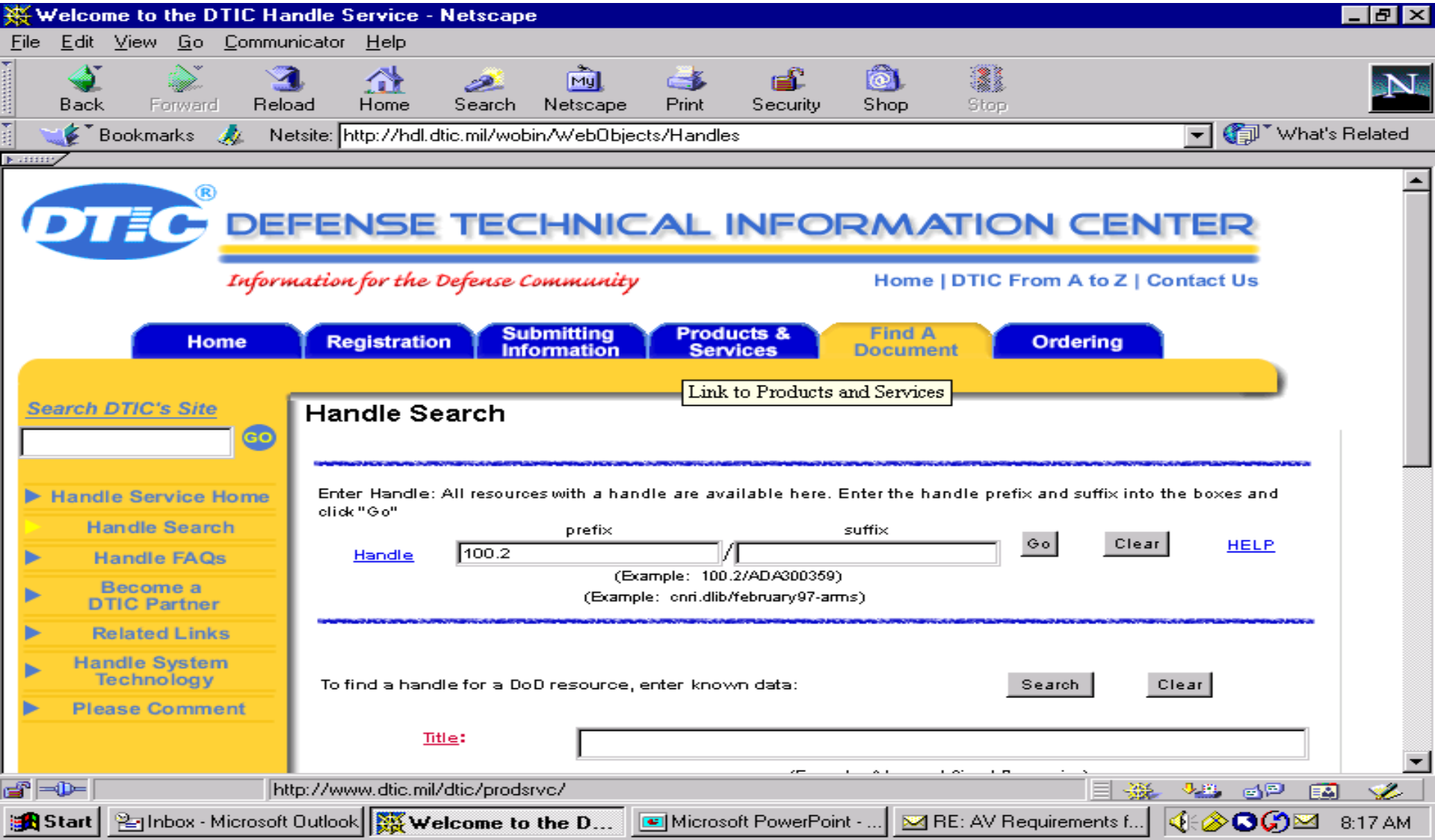
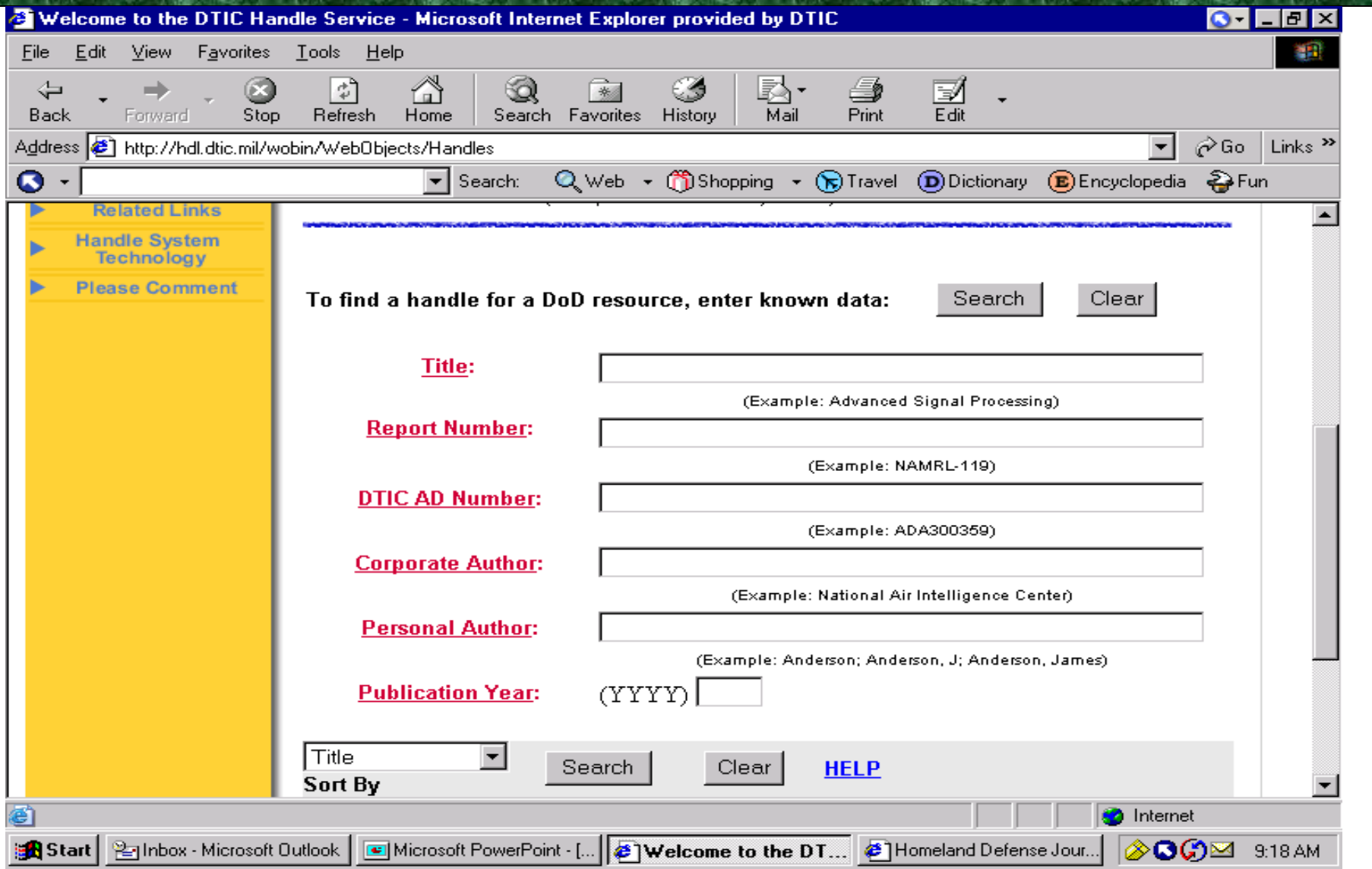


Getting a Handle on Federal Information



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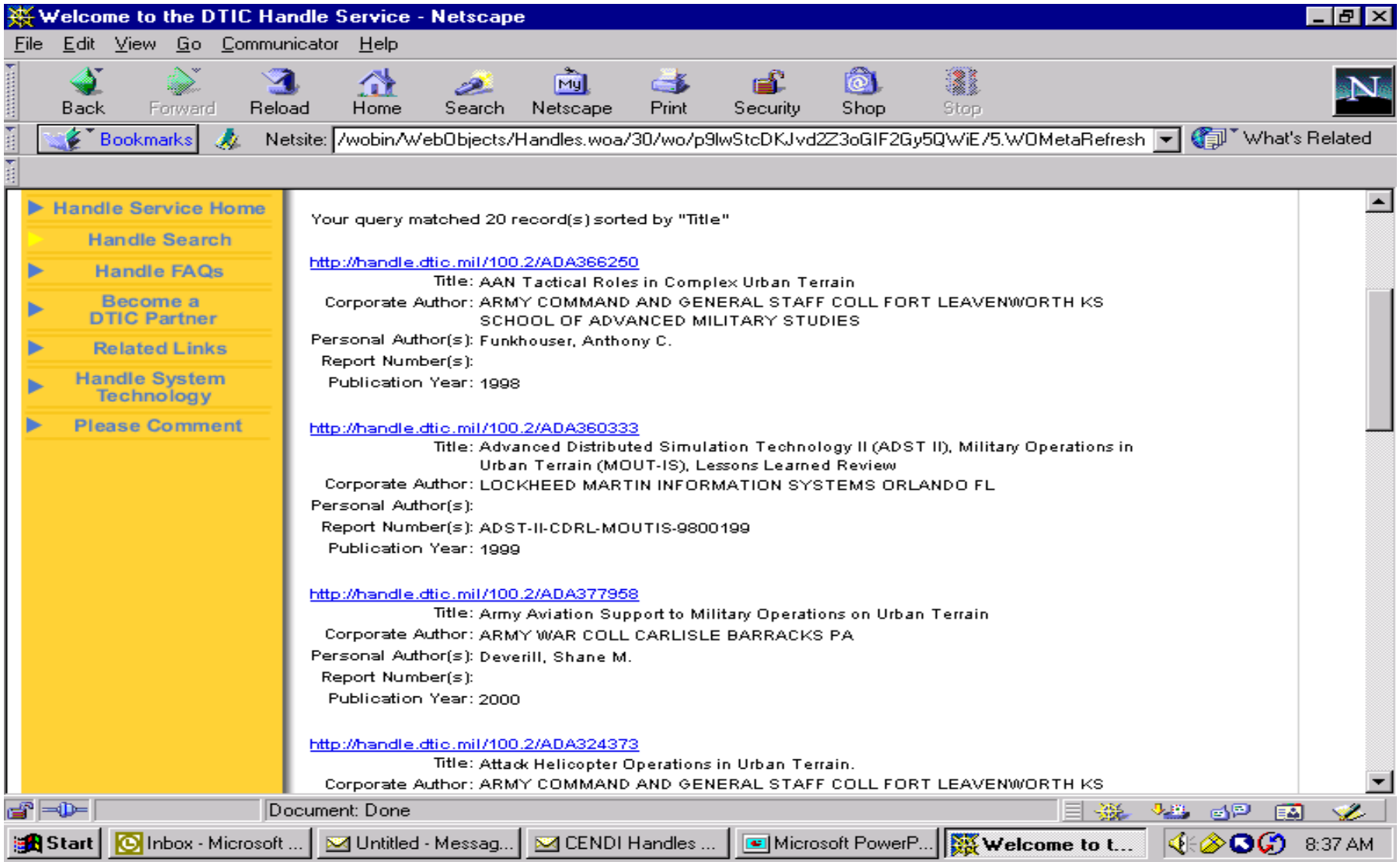
Welcome to the DTIC Handle Service - Netscape
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Netsite: /wobin/WebObjects/Handles.woa/30/wo/p9lwStcDKJvd2Z3oGIF2Gy5QWiE/5.WOMetaRefresh What's Related
Handle Service Home
Handle Search
Handle FAQs
Become a DTIC Partner
Related Links
Handle System Technology
Please Comment
Your query matched 20 record(s) sorted by "Title"
http://handle.dtic.mil/100.2/ADA366250
Title: AAN Tactical Roles in Complex Urban Terrain
Corporate Author: ARMY COMMAND AND GENERAL STAFF COLL FORT LEAVENWORTH KS SCHOOL OF ADVANCED MILITARY STUDIES
Personal Author(s): Funkhouser, Anthony C.
Report Number(s):
Publication Year: 1998
http://handle.dtic.mil/100.2/ADA360333
Title: Advanced Distributed Simulation Technology II (ADST II), Military Operations in Urban Terrain (MOUT-IS), Lessons Learned Review
Corporate Author: LOCKHEED MARTIN INFORMATION SYSTEMS ORLANDO FL
Personal Author(s):
Report Number(s): ADST-II-CDRL-MOUTIS-9800199
Publication Year: 1999
http://handle.dtic.mil/100.2/ADA377958
Title: Army Aviation Support to Military Operations on Urban Terrain
Corporate Author: ARMY WAR COLL CARLISLE BARRACKS PA
Personal Author(s): Deverill, Shane M.
Report Number(s):
Publication Year: 2000
http://handle.dtic.mil/100.2/ADA324373
Title: Attack Helicopter Operations in Urban Terrain.
Corporate Author: ARMY COMMAND AND GENERAL STAFF COLL FORT LEAVENWORTH KS
Document: Done
Start Inbox - Microsoft ... Untitled - Messag... CENDI Handles ... Microsoft PowerP... Welcome to t... 8:37 AM

Getting a Handle on Federal

Handle Service Directory

- Provides access to all handles on the Web
- Is a handle discovery tool for DOD resources
  - Provides direct links to resources
  - Will provide centralized access to all DOD handles

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Handle Service Directory Contains Metadata

- We use limited metadata ‘bits’ to find the handle
- You may know what you’re looking for but not know its handle
- Keep metadata requirements short and simple
- Purpose is not to fully catalog a resource, but provide just enough data to find it

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- DTIC's Metadata Schema for Technical Reports
  - Title
  - Report Number
  - DTIC AD Number
  - Corporate Author
  - Personal Author
  - Publication Year
- Metadata schema dependent on resource 'type'

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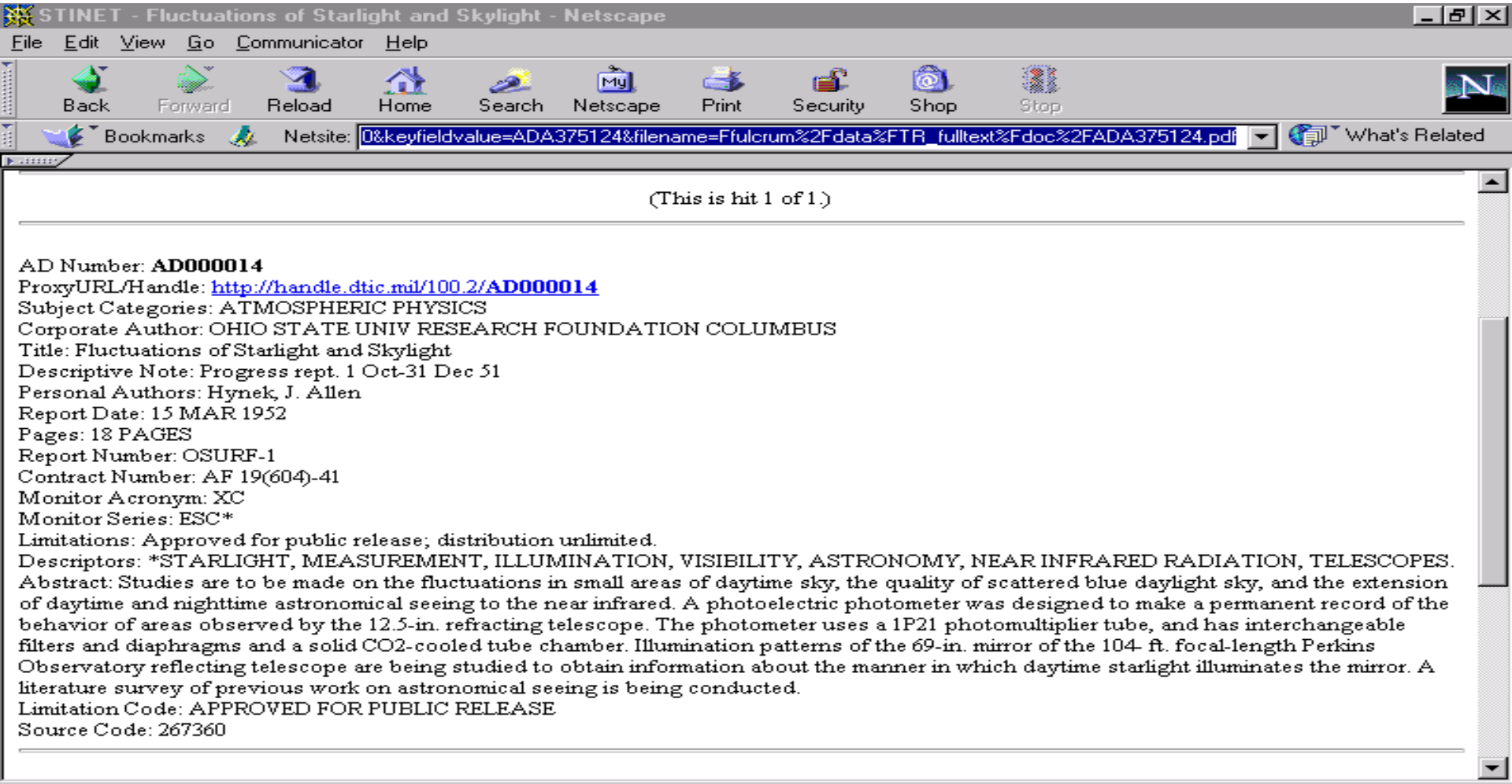
roxyURL & Handle Embedded in STINET Citatio


STINET - Fluctuations of Starlight and Skylight - Netscape
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Bookmarks Netsite: 0&keyfieldvalue=ADA375124&filename=Ffulcrum%2Fdata%FTR_fulltext%Fdoc%2FADA375124.pdf What's Related

(This is hit 1 of 1.)

AD Number: **AD000014**
ProxyURL/Handle: http://handle.dtic.mil/100.2/**AD000014**
Subject Categories: ATMOSPHERIC PHYSICS
Corporate Author: OHIO STATE UNIV RESEARCH FOUNDATION COLUMBUS
Title: Fluctuations of Starlight and Skylight
Descriptive Note: Progress rept. 1 Oct-31 Dec 51
Personal Authors: Hynek, J. Allen
Report Date: 15 MAR 1952
Pages: 18 PAGES
Report Number: OSURF-1
Contract Number: AF 19(604)-41
Monitor Acronym: XC
Monitor Series: ESC*
Limitations: Approved for public release; distribution unlimited.
Descriptors: *STARLIGHT, MEASUREMENT, ILLUMINATION, VISIBILITY, ASTRONOMY, NEAR INFRARED RADIATION, TELESCOPES.
Abstract: Studies are to be made on the fluctuations in small areas of daytime sky, the quality of scattered blue daylight sky, and the extension of daytime and nighttime astronomical seeing to the near infrared. A photoelectric photometer was designed to make a permanent record of the behavior of areas observed by the 12.5-in. refracting telescope. The photometer uses a 1P21 photomultiplier tube, and has interchangeable filters and diaphragms and a solid CO2-cooled tube chamber. Illumination patterns of the 69-in. mirror of the 104- ft. focal-length Perkins Observatory reflecting telescope are being studied to obtain information about the manner in which daytime starlight illuminates the mirror. A literature survey of previous work on astronomical seeing is being conducted.
Limitation Code: APPROVED FOR PUBLIC RELEASE
Source Code: 267360

Getting a Handle on Federal

What Does This Mean to the Customer?

- Preserves access to valuable electronic resources
- Enables reference/citation linking
- Centralizes access to DOD data
- Allows creation of accurate, long-term ‘live’ bibliographies, catalog records

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Citing Handles in a Bibliography

Basic format:

Author's Last Name, First Name or Initial(s)

Date of Document

Title of Document. Title Complete Work (if applicable)

Edition or Revision (if applicable)

Protocol, access path, handle (prefix + suffix)

Example:

Jordan, Martha K. April 2001. Lessons Learned from History: Implications for Homeland Defense.

http://handle.dtic.mil/100.2/ADA407720

Getting a Handle on Federal

What Does This Mean to the Contributor?

- Preserves digital publications in perpetuity
- Guarantees immediate access to publications, 24x7
- Relief from many resource management, manpower, maintenance, storage, licensing and equipment costs

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Our Contributors Will Have Choices

- Option 1: Maintain status quo
  - Submit resources to DTIC; DTIC assigns handles and metadata, performs all processing actions
  - DTIC will ensure permanence (availability and content)
- Option 2: Become a DTIC partner

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Partnering with DTIC

- Receive a unique naming authority under DTIC sponsorship (handle prefix)
- Create own handles, maintain own resources
- Submit metadata, handles and URLs to DTIC (DTIC will provide mechanisms and procedures for data submission)
- Additional support will be required
  - Must adhere to DTIC policies/procedure
  - Notify DTIC when URLs change

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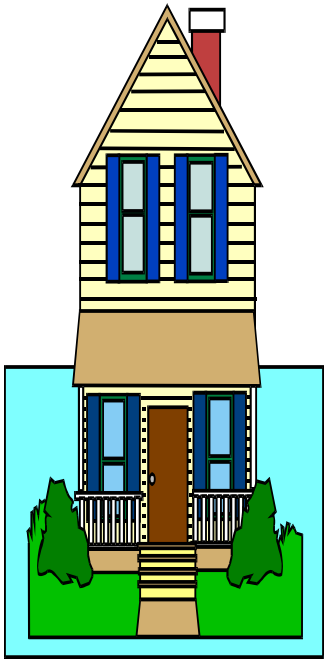

Where We Are Now

- Implemented handles into DTIC operations
- Assigned handles to all DTIC's publicly releasable fulltext .pdf resources
- Built structure to create, manage, resolve handles for DOD electronic resources from remote locations
- Established metadata policies/procedures
- Enabled reverse lookup/reference linking capabilities

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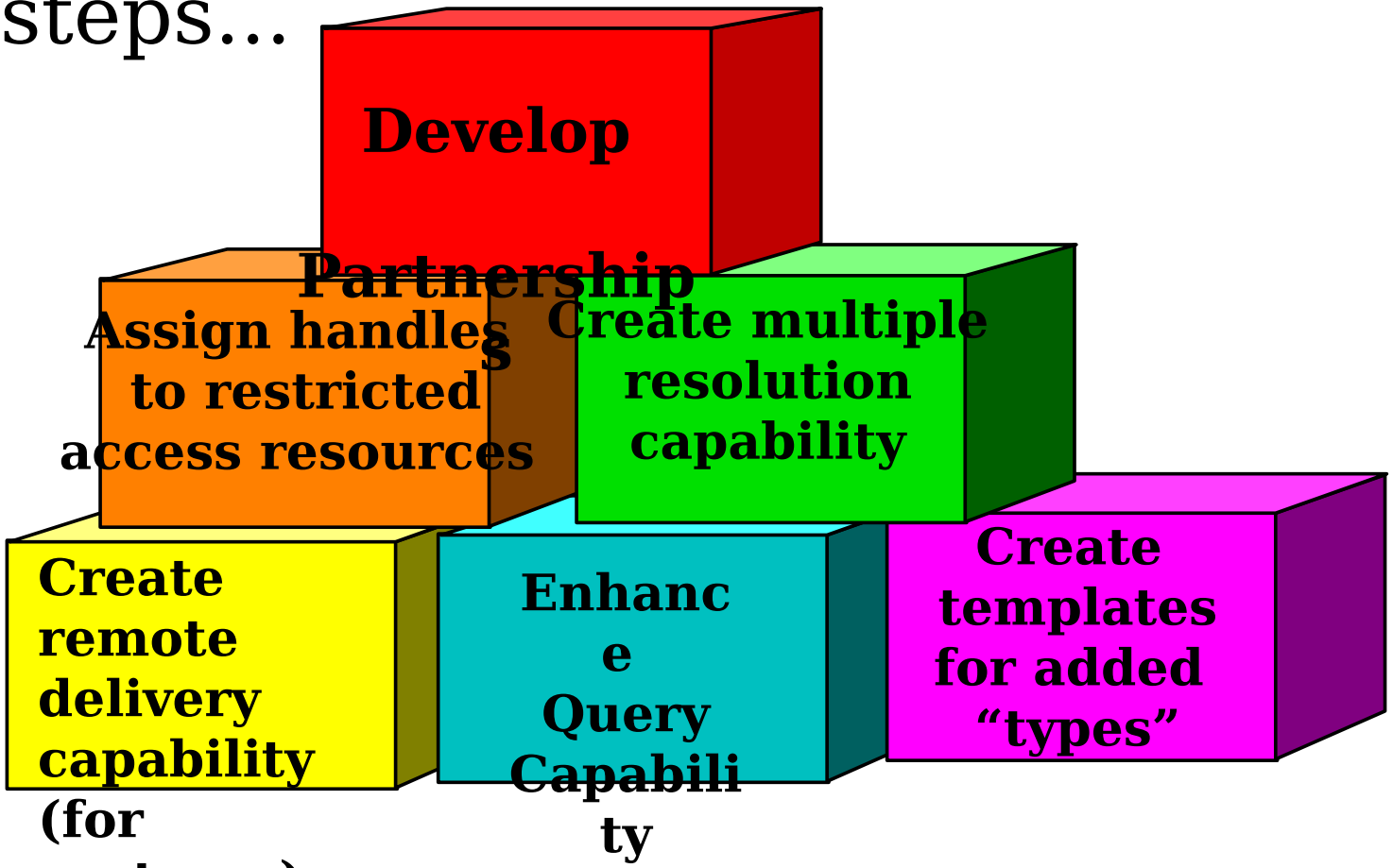
- Where do we go from here - next steps…


Develop Partnership
Assign handles to restricted access resources
Create multiple resolution capability
Create remote delivery capability (for
Enhanc e Query Capabili ty
Create templates for added “types”

Getting a Handle on Federal

- Visit the DTIC Handle Service at:
  http://www.dtic.mil/dtic/handles/

- Let us know the Handle Service can best serve your needs
  - Send email to Handle@dtic.mil or bnekoba@dtic.mil
  - Use Handle Service Comment Form - or -
  - Call Barbara Nekoba at 703-767-8004